

ABSTRACT

A method and a device for remote monitoring supervisory information about maintenance of a hinge are provided that are capable of improving efficiency of periodical inspection and maintenance of a hinge and capable of preventing inconvenience and a trouble of the hinge in advance. A hinge 3 rotatably supports an opening and closing member 2 with a fixed member 1 of an instrument or the like. Supervisory information about maintenance of the hinge 3 is detected. The detected supervisory information is transmitted to a maintenance management server 7 via a communication network like the Internet 6. The maintenance management server 7 manages the maintenance of the hinge based on the supervisory information.

(12)特許協力条約に基づいて公開された国際出願

25 JAN 2006

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2004 年 6 月 3 日 (03.06.2004)

PCT

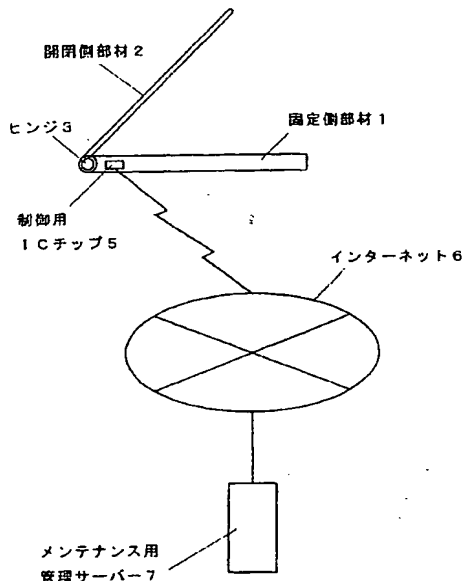
(10) 国際公開番号
WO 2004/047042 A1

- (51) 国際特許分類: G08C 15/00 (74) 代理人: 鈴木 征四郎 (SUZUKI, Seishiro); 〒104-0031 東京都中央区京橋二丁目5番21号京橋NSビル3階三和法律特許事務所 Tokyo (JP).
- (21) 国際出願番号: PCT/JP2003/013780
- (22) 国際出願日: 2003 年 10 月 28 日 (28.10.2003)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願 2002-312481
2002 年 10 月 28 日 (28.10.2002) JP
- (71) 出願人 および
(72) 発明者: 下西 孝 (SHIMONISHI, Takashi) [JP/JP]; 〒630-0262 奈良県生駒市緑ヶ丘1426番地の201 Nara (JP).
- (81) 指定国 (国内): AF, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ユーロッパ

[続葉有]

(54) Title: METHOD AND DEVICE FOR REMOTELY MONITORING WATCH INFORMATION FOR MAINTENANCE OF HINGE

(54) 発明の名称: ヒンジのメンテナンス用監視情報の遠隔モニタリング方法および装置



- 2... OPEN/CLOSE-SIDE MEMBER
3...HINGE
1...STATIONARY- SIDE MEMBER
5... IC CHIP FOR CONTROLLING
6...INTERNET
7...ADMINISTRATION SERVER FOR MAINTENANCE

(57) Abstract: A method and device for remotely monitoring watch information for maintenance of a hinge, improving inefficiency involved in periodic maintenance and check on the hinge and preventing malfunction and breakdown of the hinge from occurring. In a hinge (3) rotatably supporting an open/close side member (2) at a stationary side member (1) of an instrument etc., watch information for maintenance of the hinge (3) is detected, the detected watch information is transmitted to an administration server (7) for maintenance through a communications network such as the Internet (6), and maintenance administration of the hinge is performed by the administration server (7) based on the watch information.

[続葉有]

WO 2004/047042 A1